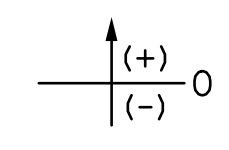


	1.00	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.11	1.12	1.13	1.14	F.S. 2	1.15	1.16	1.17	1.18	1.19	1.20		
GIRDER 1	DEFLECTION DUE TO WT. OF STEEL	0.000	0.003	0.005	0.007	0.009	0.011	0.013	0.014	0.016	0.018	0.020	0.021	0.022	0.023	0.023	0.022	0.022	0.020	0.017	0.013	0.007	0.000	
	DEFLECTION DUE TO WT. OF SLAB ▲	0.000	0.006	0.010	0.011	0.011	0.010	0.009	0.010	0.011	0.014	0.018	0.022	0.027	0.031	0.035	0.035	0.036	0.034	0.027	0.016	0.000		
	DEFL. DUE TO WT. OF BARRIER RAIL	0.000	0.001	0.002	0.003	0.004	0.004	0.005	0.005	0.006	0.006	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.008	0.007	0.005	0.003	0.000	
	TOTAL DEAD LOAD DEFLECTION	0.000	0.010	0.017	0.022	0.024	0.026	0.027	0.029	0.032	0.036	0.041	0.046	0.053	0.058	0.063	0.065	0.065	0.064	0.058	0.046	0.026	0.000	
	VERTICAL CURVE ORDINATE	0.000	0.016	0.031	0.044	0.054	0.063	0.072	0.077	0.081	0.084	0.085	0.084	0.081	0.077	0.071	0.064	0.064	0.054	0.043	0.030	0.017	0.000	
REQUIRED CAMBER	0"	1/16"	3/16"	1/4"	3/8"	7/16"	9/16"	9/16"	5/8"	9/16"	1/2"	7/16"	5/16"	1/4"	1/8"	0"	0"	-1/8"	-3/16"	-3/16"	-1/8"	0"		
GIRDER 2	DEFLECTION DUE TO WT. OF STEEL	0.000	0.002	0.004	0.006	0.007	0.009	0.011	0.012	0.014	0.016	0.018	0.019	0.021	0.021	0.021	0.021	0.019	0.016	0.012	0.007	0.000		
	DEFLECTION DUE TO WT. OF SLAB ▲	0.000	0.005	0.007	0.009	0.009	0.008	0.007	0.007	0.008	0.010	0.012	0.016	0.020	0.024	0.028	0.030	0.031	0.032	0.030	0.024	0.014	0.000	
	DEFL. DUE TO WT. OF BARRIER RAIL	0.000	0.001	0.001	0.002	0.002	0.002	0.003	0.003	0.004	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.005	0.004	0.003	0.002	0.000	
	TOTAL DEAD LOAD DEFLECTION	0.000	0.007	0.012	0.016	0.018	0.019	0.021	0.023	0.026	0.030	0.035	0.040	0.046	0.051	0.055	0.056	0.057	0.056	0.050	0.040	0.023	0.000	
	VERTICAL CURVE ORDINATE	0.000	0.014	0.027	0.038	0.048	0.056	0.063	0.068	0.072	0.074	0.076	0.075	0.072	0.069	0.063	0.059	0.057	0.048	0.038	0.027	0.014	0.000	
REQUIRED CAMBER	0"	1/16"	3/16"	1/4"	3/8"	7/16"	1/2"	9/16"	9/16"	9/16"	1/2"	7/16"	5/16"	3/16"	1/16"	1/16"	0"	-1/8"	-1/8"	-1/8"	-1/8"	0"		
GIRDER 3	DEFLECTION DUE TO WT. OF STEEL	0.000	0.001	0.003	0.004	0.006	0.007	0.009	0.011	0.013	0.014	0.016	0.018	0.019	0.020	0.020	0.019	0.019	0.017	0.015	0.011	0.006	0.000	
	DEFLECTION DUE TO WT. OF SLAB ▲	0.000	0.003	0.005	0.006	0.006	0.006	0.005	0.005	0.006	0.008	0.010	0.013	0.017	0.021	0.025	0.025	0.027	0.028	0.026	0.021	0.012	0.000	
	DEFL. DUE TO WT. OF BARRIER RAIL	0.000	0.000	0.001	0.001	0.001	0.002	0.002	0.003	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.003	0.002	0.000	
	TOTAL DEAD LOAD DEFLECTION	0.000	0.005	0.009	0.011	0.013	0.015	0.016	0.019	0.022	0.026	0.031	0.036	0.041	0.046	0.050	0.050	0.051	0.050	0.045	0.035	0.020	0.000	
	VERTICAL CURVE ORDINATE	0.000	0.013	0.024	0.034	0.042	0.050	0.056	0.060	0.064	0.066	0.066	0.066	0.064	0.060	0.056	0.055	0.050	0.043	0.034	0.024	0.013	0.000	
REQUIRED CAMBER	0"	1/8"	3/16"	1/4"	3/8"	7/16"	1/2"	1/2"	1/2"	1/2"	7/16"	3/8"	1/4"	3/16"	1/16"	1/16"	0"	-1/16"	-1/8"	-1/8"	-1/16"	0"		
GIRDER 4	DEFLECTION DUE TO WT. OF STEEL	0.000	0.001	0.003	0.004	0.006	0.009	0.011	0.014	0.016	0.019	0.021	0.023	0.024	0.025	0.024	0.024	0.023	0.021	0.017	0.013	0.007	0.000	
	DEFLECTION DUE TO WT. OF SLAB ▲	0.000	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.006	0.008	0.011	0.015	0.018	0.021	0.022	0.024	0.024	0.024	0.023	0.018	0.010	0.000
	DEFL. DUE TO WT. OF BARRIER RAIL	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.002	0.001	0.000	
	TOTAL DEAD LOAD DEFLECTION	0.000	0.003	0.006	0.008	0.010	0.013	0.015	0.018	0.022	0.027	0.032	0.037	0.042	0.046	0.049	0.049	0.050	0.048	0.043	0.033	0.019	0.000	
	VERTICAL CURVE ORDINATE	0.000	0.011	0.021	0.029	0.037	0.043	0.048	0.052	0.055	0.057	0.058	0.058	0.056	0.053	0.049	0.049	0.044	0.037	0.030	0.021	0.011	0.000	
REQUIRED CAMBER	0"	1/8"	3/16"	1/4"	5/16"	3/8"	3/8"	7/16"	3/8"	3/8"	5/16"	1/4"	3/16"	1/16"	0"	0"	-1/16"	-1/8"	-1/8"	-1/8"	-1/16"	0"		
GIRDER 5	DEFLECTION DUE TO WT. OF STEEL	0.000	0.001	0.002	0.003	0.005	0.007	0.010	0.012	0.014	0.017	0.019	0.021	0.022	0.022	0.022	0.022	0.020	0.019	0.016	0.011	0.006	0.000	
	DEFLECTION DUE TO WT. OF SLAB ▲	0.000	0.000	0.001	0.001	0.000	0.001	0.001	0.002	0.002	0.004	0.006	0.009	0.012	0.015	0.016	0.018	0.020	0.020	0.019	0.015	0.008	0.000	
	DEFL. DUE TO WT. OF BARRIER RAIL	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.002	0.002	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.003	0.003	0.001	0.000	
	TOTAL DEAD LOAD DEFLECTION	0.000	0.001	0.003	0.004	0.006	0.009	0.012	0.015	0.019	0.024	0.028	0.033	0.038	0.042	0.042	0.044	0.045	0.043	0.038	0.029	0.016	0.000	
	VERTICAL CURVE ORDINATE	0.000	0.009	0.018	0.026	0.032	0.037	0.042	0.045	0.048	0.049	0.050	0.049	0.047	0.046	0.044	0.042	0.037	0.032	0.025	0.018	0.010	0.000	
REQUIRED CAMBER	0"	1/8"	3/16"	1/4"	5/16"	5/16"	3/8"	3/8"	5/16"	5/16"	1/4"	3/16"	1/8"	1/16"	0"	0"	-1/16"	-1/8"	-1/8"	-1/8"	-1/16"	0"		

▲ INCLUDES SLAB, BUILDUP AND STAY-IN-PLACE FORMS  
 \* FIELD SPLICE LOCATIONS SHOWN IN SCHEMATIC DIAGRAM FOR GIRDER 1 ONLY. FIELD SPLICE LOCATIONS FOR GIRDERS 2-5 ARE NOTED IN THE TABLE.

- NOTES:**
- VALUES ARE SHOWN IN FEET (DECIMAL FORMAT), EXCEPT "REQUIRED CAMBER" WHICH IS GIVEN IN INCHES.
  - FOR GIRDER DESIGNATIONS, SEE FRAMING PLAN AND GIRDER DETAILS SHEETS.
  - DEFLECTIONS IN THE DOWNWARD DIRECTION ARE NEGATIVE. A REQUIRED CAMBER IN THE UPWARD DIRECTION IS POSITIVE. SIGN CONVENTION FOR DEAD LOAD DEFLECTION.
  - SLOPE FOR THE ZERO CAMBER BASE LINE VARIES.
  - FABRICATORS SHALL DETAIL CROSSFRAME MEMBERS AND CONNECTIONS FOR FULL DEAD LOAD FIT UP. GIRDERS SHOULD BE PLUMB AFTER FULL AMOUNT OF DEAD LOAD IS APPLIED.



SCHEMATIC CAMBER ORDINATES - SPAN C

PROJECT NO. R-2707C  
CLEVELAND COUNTY  
 STATION: 596+50.98 -L-  
 SHEET 3 OF 4

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH SUPERSTRUCTURE STEEL GIRDER CAMBERS SPAN C (SITE 6L)	REVISIONS <table border="1"> <tr> <th>NO.</th> <th>BY:</th> <th>DATE:</th> <th>NO.</th> <th>BY:</th> <th>DATE:</th> </tr> <tr> <td>1</td> <td></td> <td></td> <td>3</td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td>4</td> <td></td> <td></td> </tr> </table>	NO.	BY:	DATE:	NO.	BY:	DATE:	1			3			2			4			SHEET NO. S7-28 TOTAL SHEETS 56
	NO.	BY:	DATE:	NO.	BY:	DATE:																
	1			3																		
2			4																			
STV ENGINEERS, INC. 900 West Trade St., Suite 715 Charlotte, NC 28202 NC License Number F-5991																						
DRAWN BY: <u>MBC</u> DATE: <u>10-16</u> CHECKED BY: <u>PEK</u> DATE: <u>10-16</u>		DESIGN ENGINEER OF RECORD: <u>V. WU</u> DATE: <u>10-16</u>																				

R:\407\_055\_R2707C\_SMU\_S6C03\_S7-28.dgn 6:59:40 PM 12/13/2016 oveyac